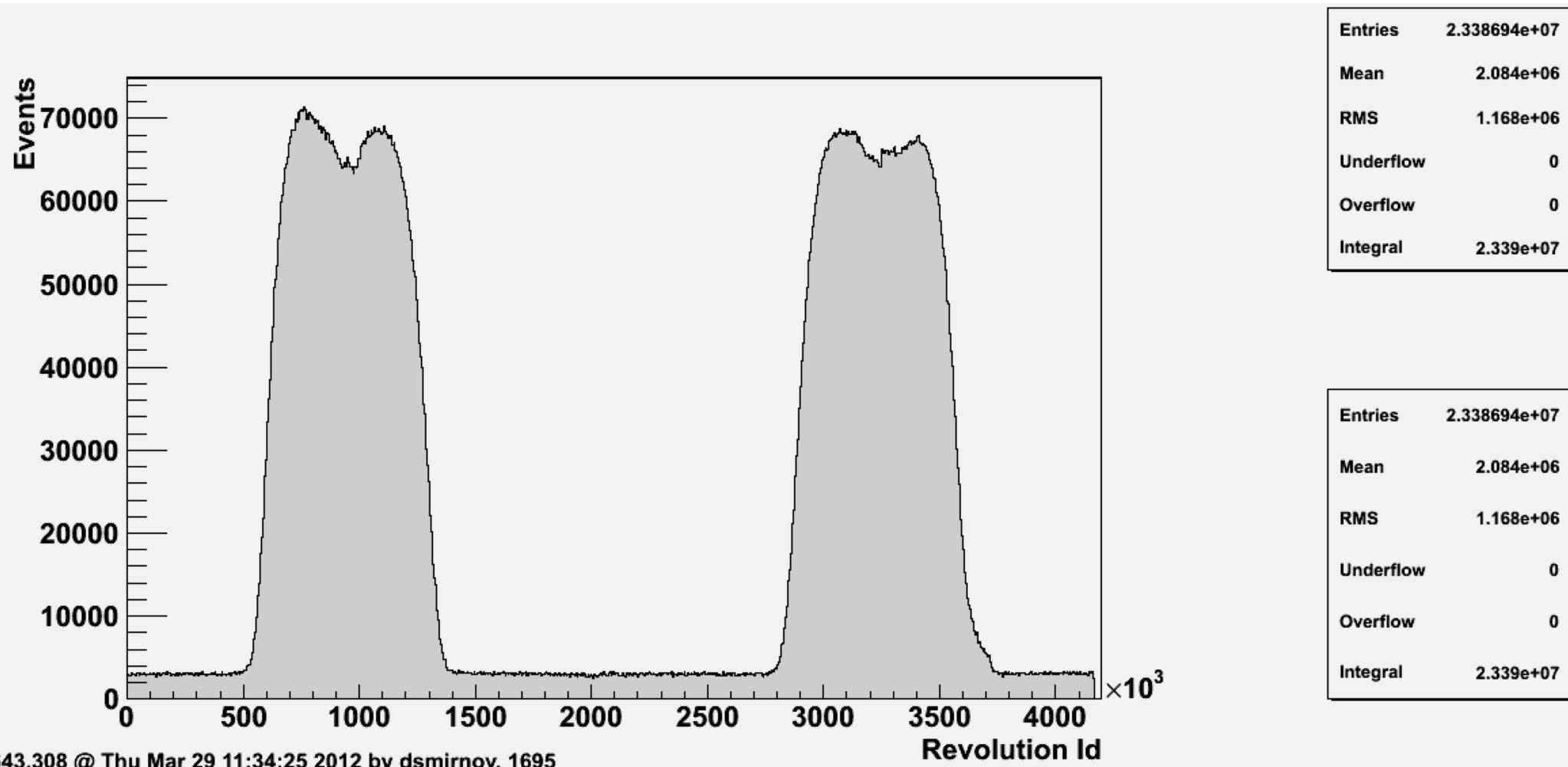


Dips in sweep profiles

- Yel2 with horizontal target, rate vs. time (revolution #):

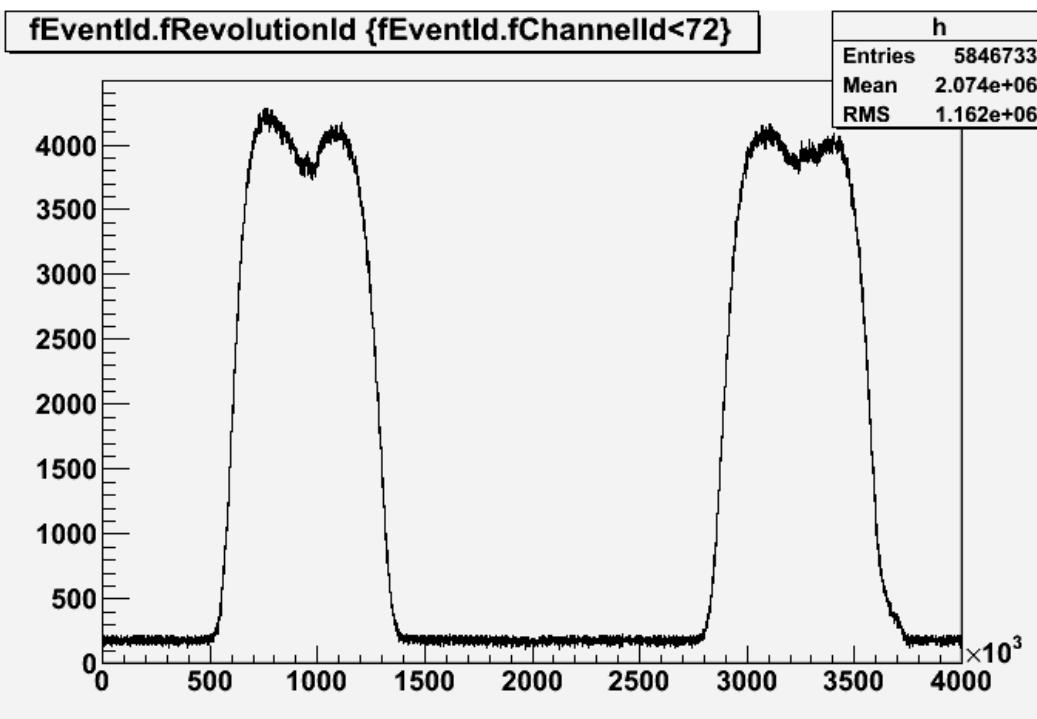


16643.308 @ Thu Mar 29 11:34:25 2012 by dsmirnov, 1695

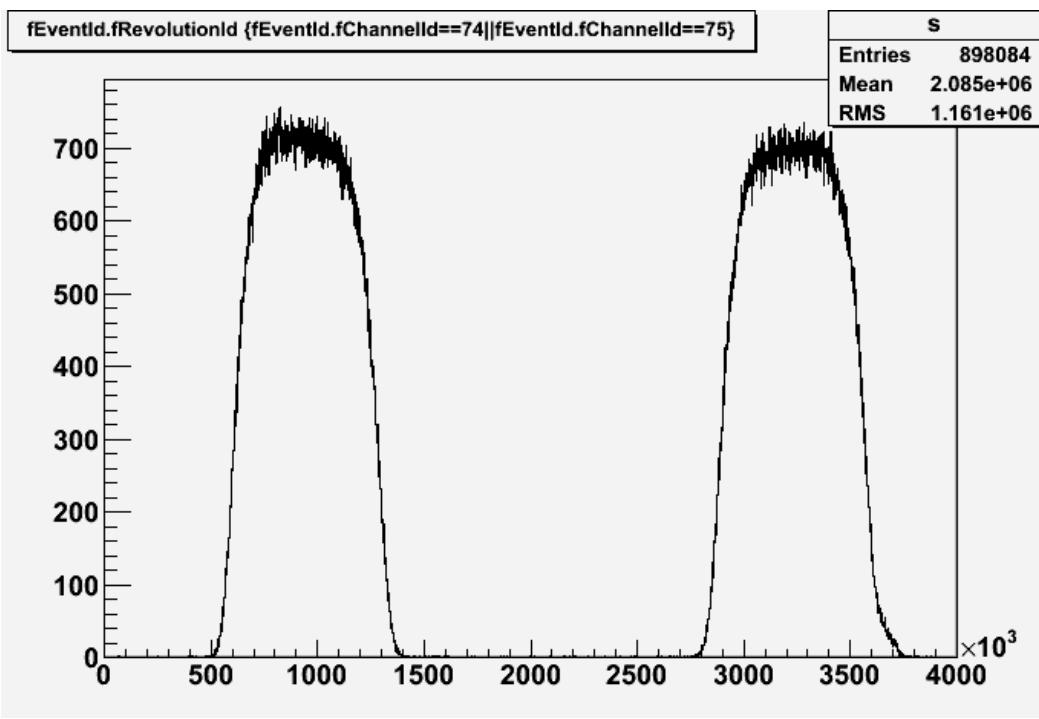
- Don't remember seeing this last year; what is it?

Si/scint. signals

- All Si channels: carbons

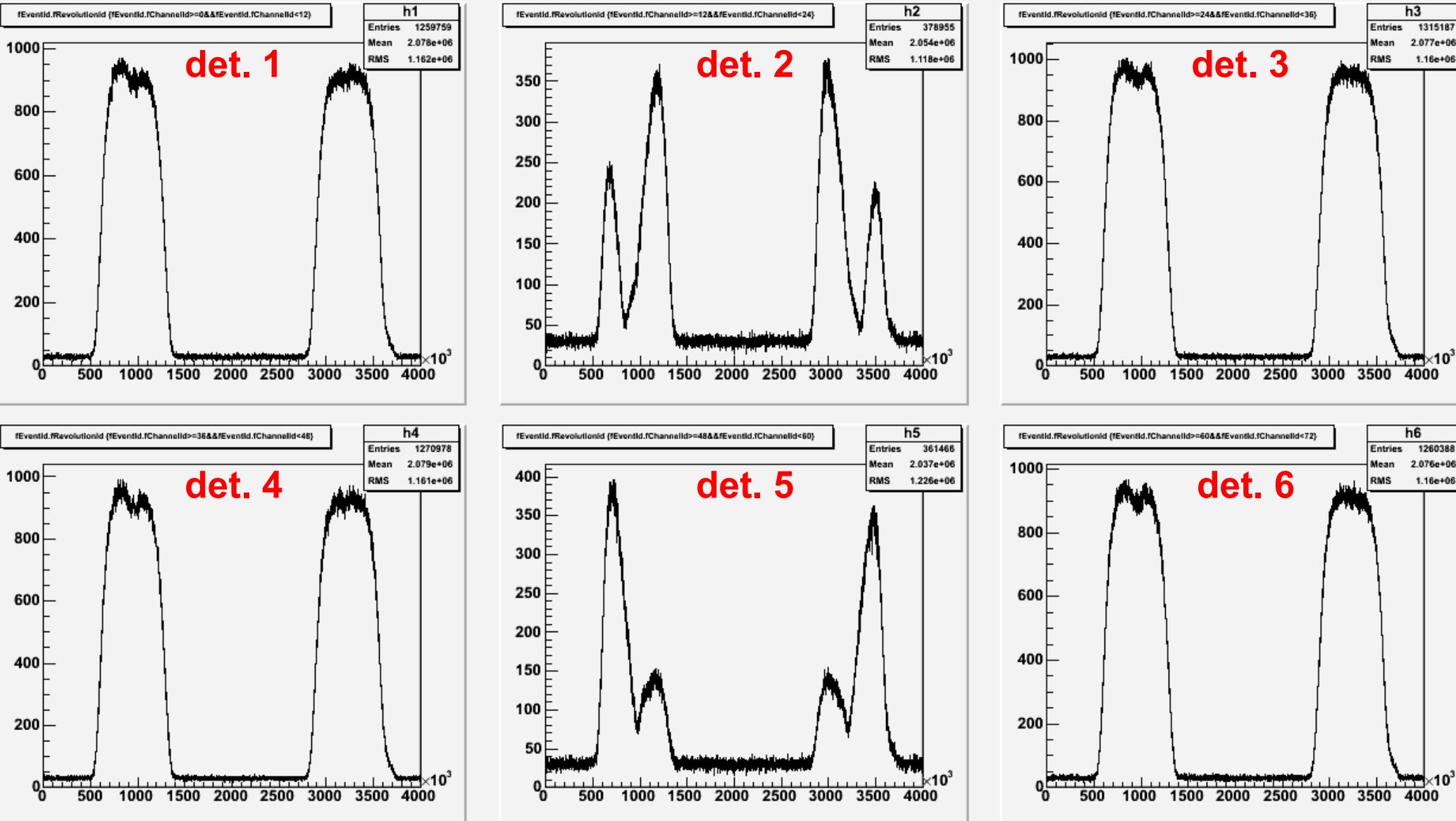


- t_0 scintillator channels: prompts



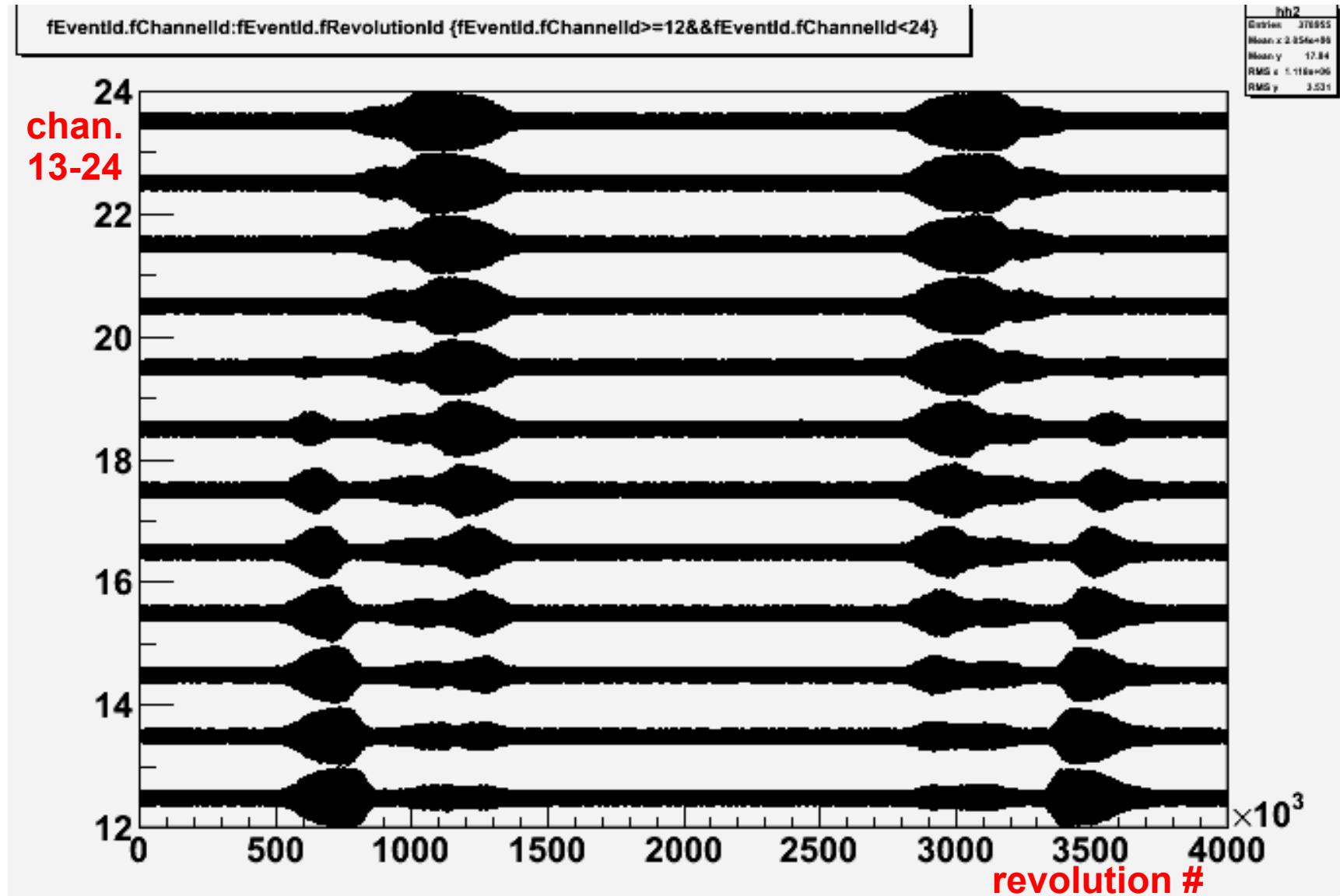
- No dip in rate of prompts \Rightarrow target is not moving in/out of beam
- Carbons are being shadowed?

Si rate per detector



- 90-deg. detectors shadowed (by frame?)
- But also some dips in 45-deg. detectors (edges of frame?)

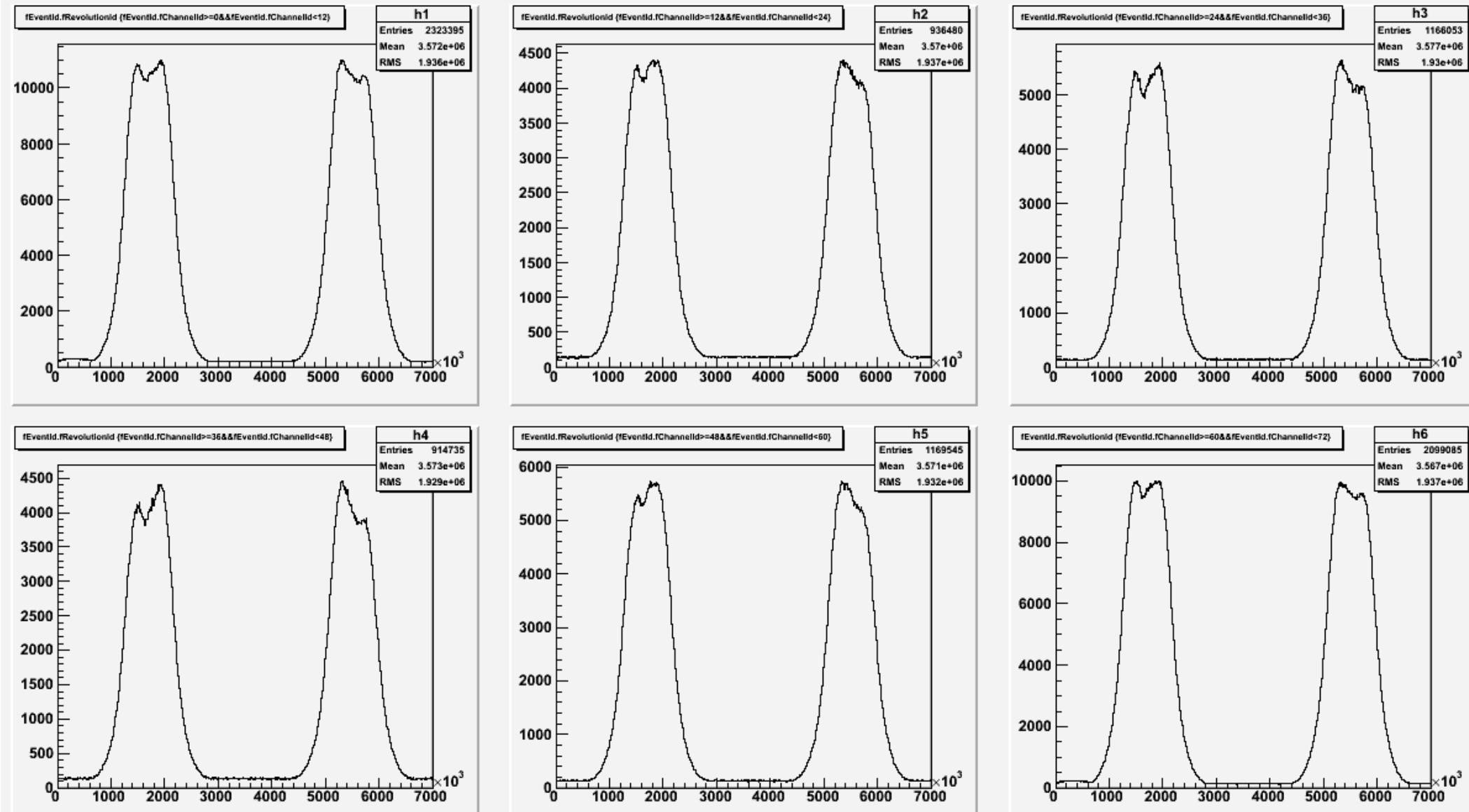
Si rate per chan., 90-deg. det.



- Can see shadow sweep across face of det. 2:
chan. 24→13 in, chan. 13→24 out

Profile dips, vert. target

- Dips also with vertical target; shadowing? how?

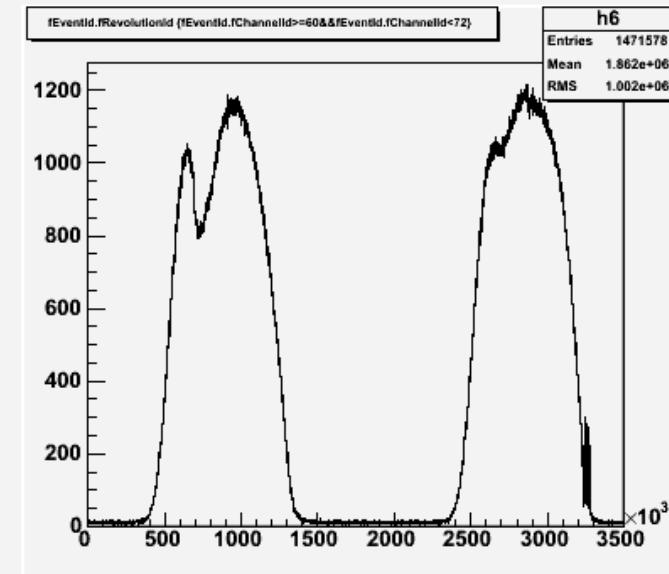
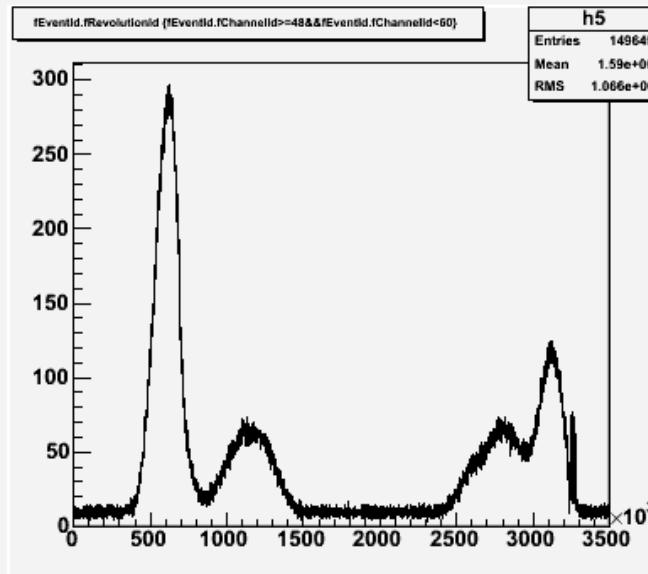
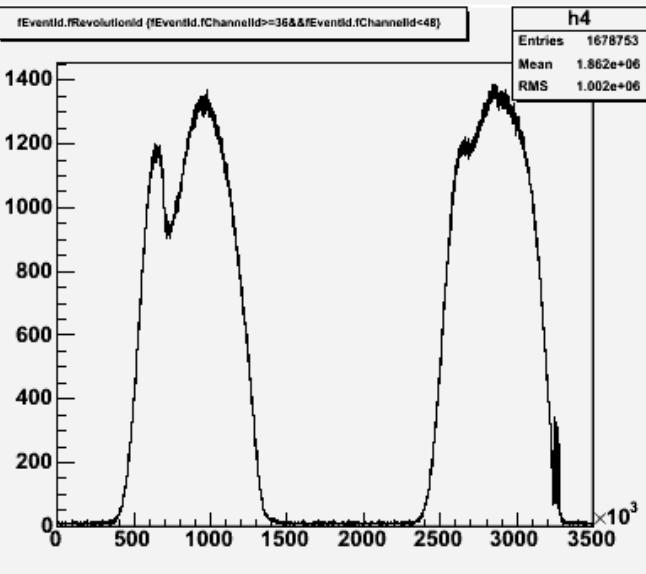
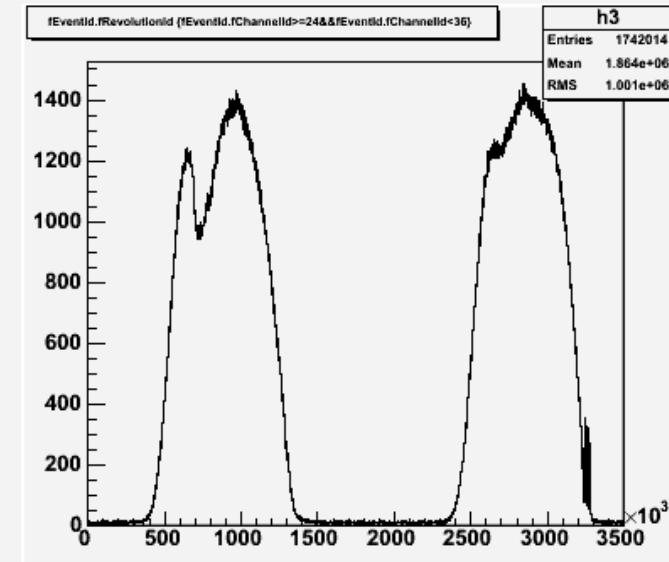
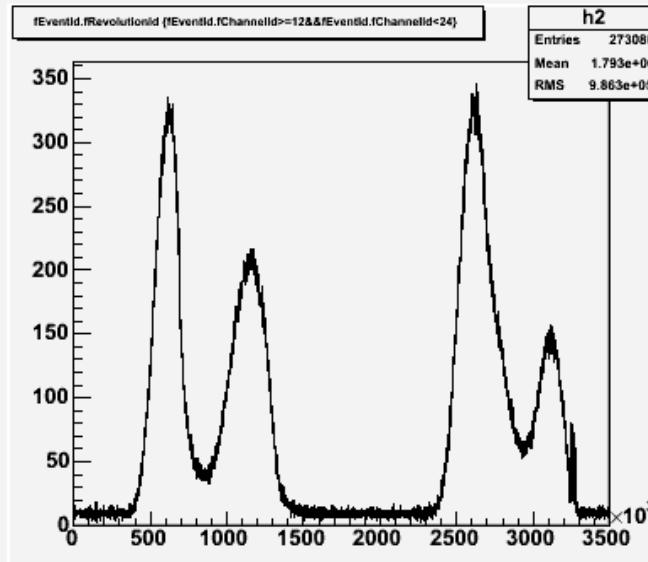
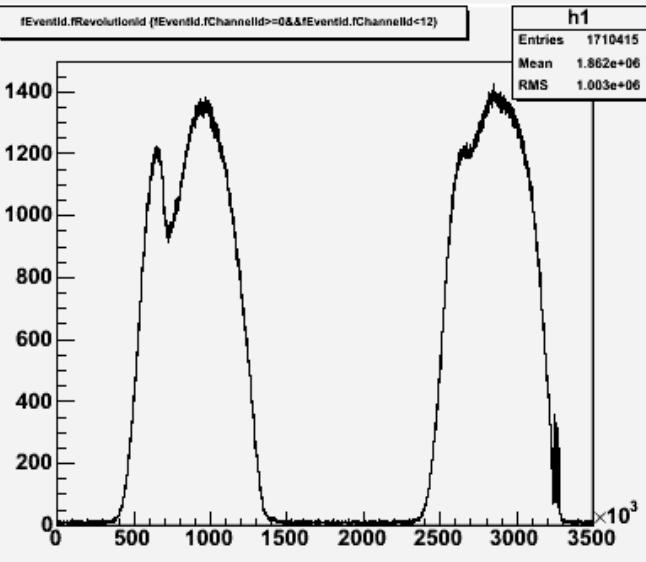


Summary

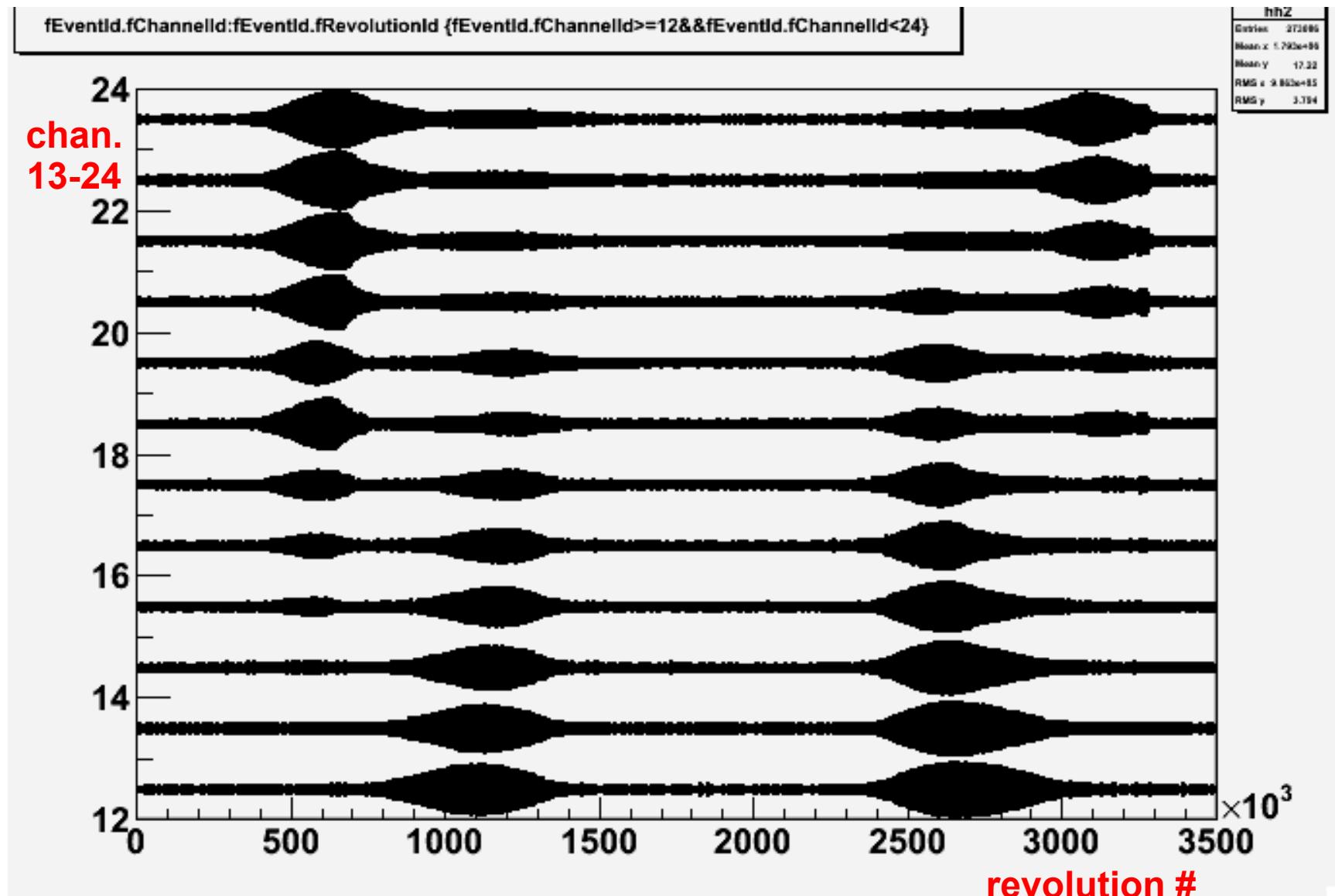
- What makes shadowing?
- 90-deg. detectors, horizontal target, geometry is clear
- But 45-deg. detectors? Geometry?
- Vertical target? Geometry?

Extras

Another horiz. target run



Another horiz. target run



- Can see shadow sweep across face of det. 2:
chan. 13→24 in, chan. 24→13 out